



Law Enforcement Referral July 20, 2019

July 20, 2019

TLP: RED

Ex 5, p. 1

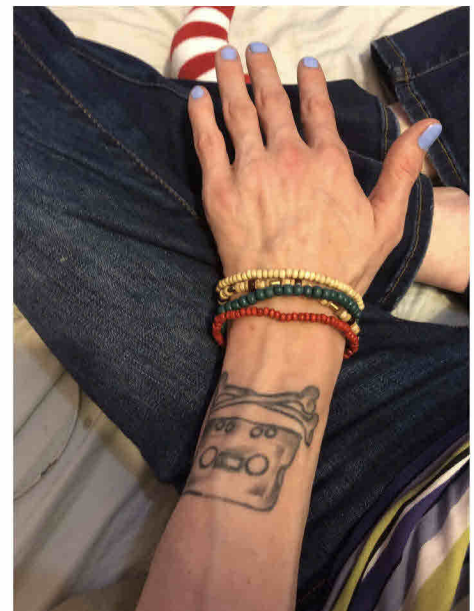
USA-00000003

Key Points

- On 17 July 2019, Capital One Financial was notified about a misconfiguration of its cloud infrastructure and a malicious actor has shared the results of exploiting this misconfiguration with many unidentified individuals on a Github data repository <https://gist.github.com/paigadelethompson/>.
 - Capital One's investigations determined that the actor exploited the misconfiguration to steal data from Capital One's non-public data storage.
 - The Github data repository is linked to an individual by the name of Paige Adele Thompson. Based on the user identification (ID) and associated email of the repository, Capital One was able to determine the actor's identity, including other online IDs and emails, and observe public discussions admitting to the actions mentioned.
- On 19 July 2019, Capital One was able to determine that the reporter of the misconfiguration is not cooperating with the malicious actor. Capital One representative spoke directly with the reporter, facilitated through our responsible disclosure vendor, to obtain additional background on the situation and the actor. The reporter noted that Thompson is aware of the illegal nature of her actions and noted to others that people can "call the FBI on me."
- On 20 July 2019, Capital One learned of a Twitter post in which the actor stated an intention to share certain Capital One information she purportedly obtained.
- Capital One's review of online posts indicates that Thompson has an AWS scanning tool looking for open or easy to access instances, so she can illegally install a cryptocurrency mining software on identified instances. In the process, as she exploits these instances, she obtains permissions on these instances to be able to download data. (Appendix 2)
 - Thompson has professional experience at Amazon AWS, specifically as a Systems Engineer on S3, which includes automation and security. (Appendix 1)
 - Thompson claims to have victimized at least several additional companies. (Appendix 4)

Identified Actor

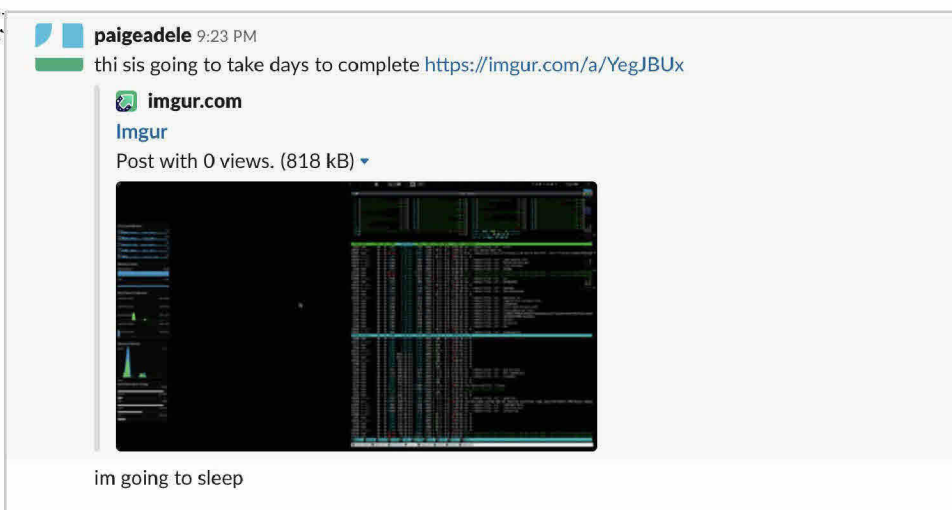
Name	Paige Adele Thompson (<i>Appendix 1</i>) (DOB: 1986) Possible Alternative Name: Trevor A. Thompson (DOB: 1986)
Title	CTO of Netcrave Communications
Email	Current email - erratic@yourstruly[.]sx, paigeadele@gmail[.]com, paige.adele.thompson@gmail[.]com Old email - erratic@devel[.]ws
Online Handles & Presence	https://twitter[.]com/erraticfake https://twitter[.]com/@0xA3A97B6C http://gitlab[.]com/netcrave https://gist.github.com/paigeadelethompson/ https://gist.github.com/paigeadelethompson/1d046e22a54995ebf82040d9279317cc https://gist.github.com/paigeadelethompson/9edf57dc3b10f72db5c8dc8e6ce16b9b https://gist.github.com/paigeadelethompson/b8cc49efffb2949857ccc60d3e3d8fa3 https://gist.github.com/paigeadelethompson/3bbb3f7fc187f83264455f51ce18525e https://twitter[.]com/paigethylamine {suspended} https://www.gitmemory[.]com/paigeadelethompson https://peegeepee.com/35A2274AAD8F627531F9A923581559E73563B9D1 paigeadele - Netcrave Slack
Reported Addresses	Current: 6520 28th Ave S, Seattle, Washington 98108 Old: 4343 NE Woodinville Duvall Rd, Woodinville, Washington 98072 Old: 226 Eastlake Ave E #80, Seattle, Washington 98109
Phone Number	206-946-2468



Observed Unauthorized Activities

Date	Activity Observed	Comments:
March 12, 2019 March 22, 2019 March 23, 2019	After an initial probe on March 12, a unauthorized user gained access to Capital One's AWS infrastructure by exploiting a misconfiguration on a web application firewall (WAF). The unauthorized actor was able to gain access to a server and enumerated the names of 746 S3 buckets on March 22 and March 23..	An unauthorized user exfiltrated 816.6GB of data from 229 of those buckets on March 22/23.
April 19, 2019 April 21, 2019 May 26, 2019	An unauthorized user made additional access attempts.	An unauthorized user unsuccessfully attempted to determine the privileges associated with the role by testing functions available (e.g. creating a key pair, describing the existing key pair).
June 26, 2019	The actor held discussions about Capital One ISRM WAF Role and data to other individuals.	Netcrave Slack is a place where hackers talk about various topics that include coding, devices, illegal activities, drug use, cryptocurrency mining, and others.

Screenshot (

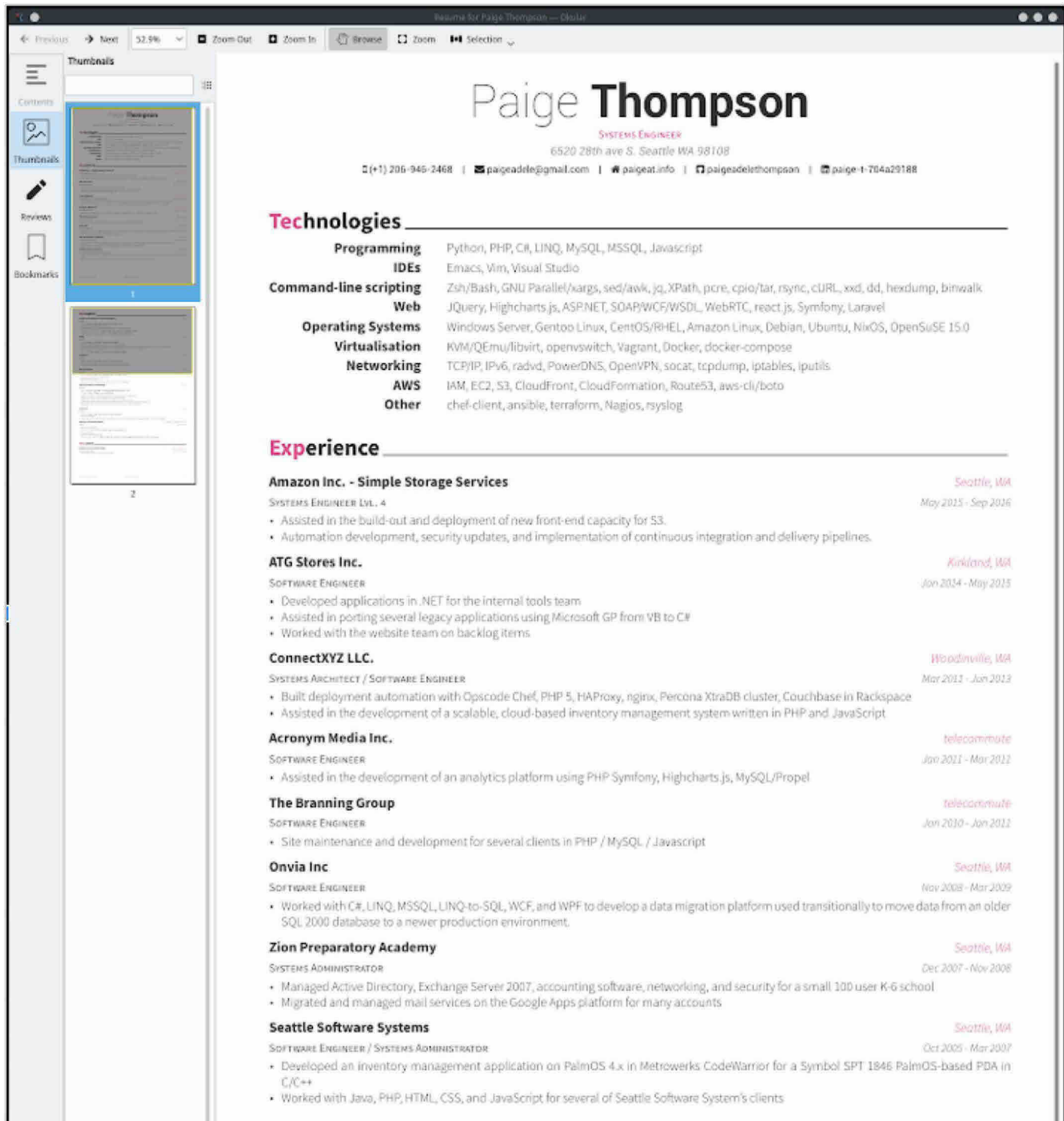


n/a/YegJBUX

July 17, 2019	Capital One was notified about the possible proxy misconfiguration on a COF application hosted in AWS. The reporting party shared a 'secret' GitHub Gist containing proof of concept code which contained an enumerated list of S3 bucket names.	Investigations determined that successful exploitation enabled an authorized user to gain access to the server, including the ability to run commands and access the back-end AWS metadata service.
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Appendix

1. June 26, 2019 - Screenshot of Resume from an IRC channel
- Note: AWS - Simple Storage Service experience



Appendix

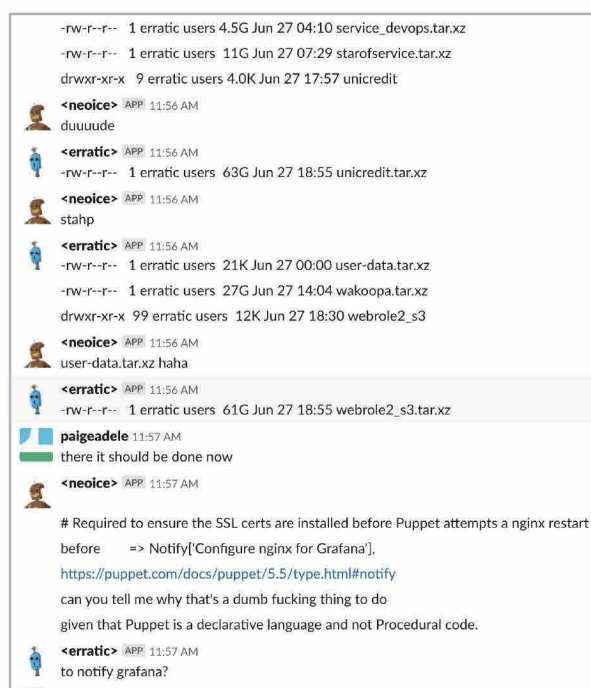
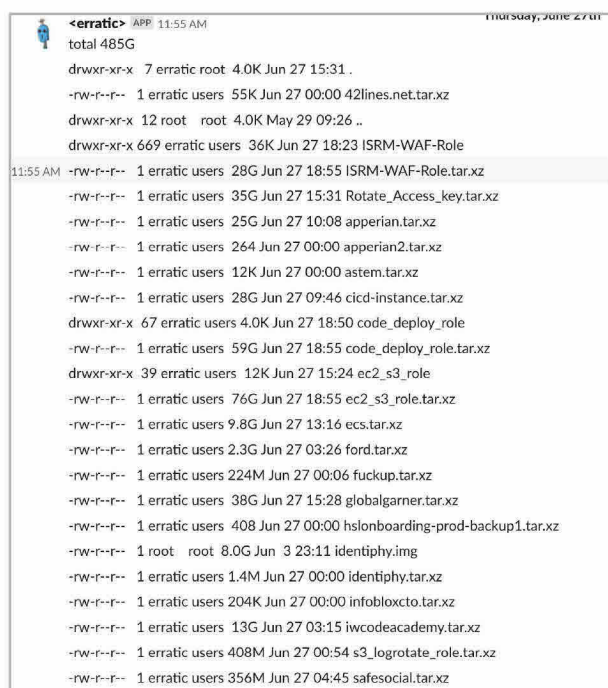
2. Actor's AWS Scanning/Mining Tool:

<https://gist.github.com/paigeadelethompson/4555c7de22cc4e6749ad90ef976a54f9>

3. Primary screenshot shared by reporter with Capital One on July 20, 2019.

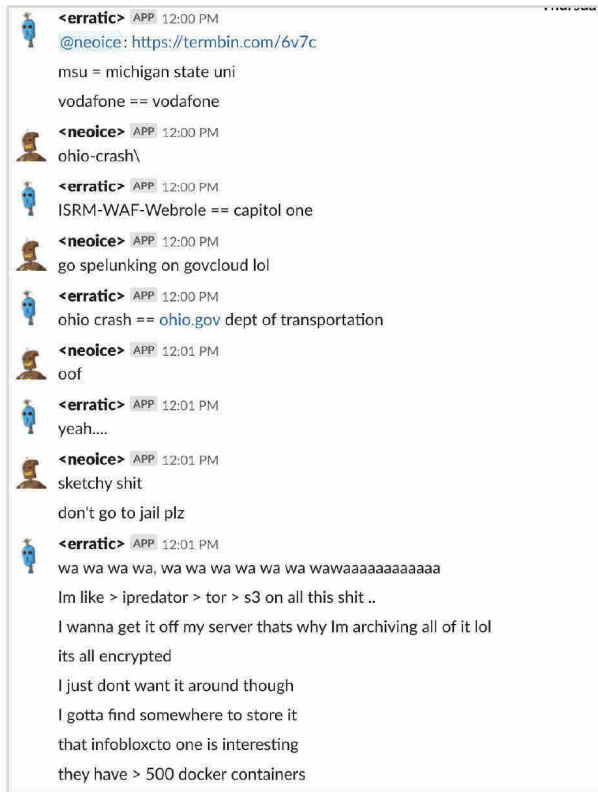


4. 26 June 2019, Screenshots showing Thompson downloaded data from other companies' data storage, including Capital One's ISRM-WAF-Role.



Appendix

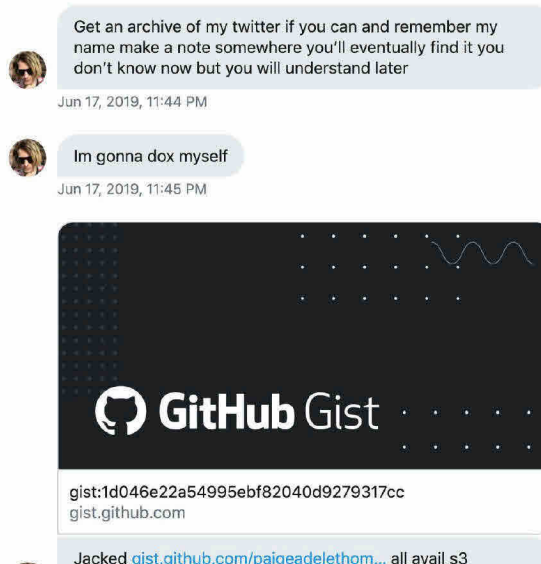
4. Continued:



they have > 500 docker containers
copied
need to archive those
weird shit though all written in go
like they make shitty stuff imho

5. Full recording of screenshots shared by the reporter

ERRATIC
@0xA3A97B6C



ERRATiC

@0xA3A97B6C



Im gonna dox myself

Jun 17, 2019, 11:45 PM

Jacked gist.github.com/paigeadelethom... all avail s3 buckets, certs

Jun 17, 2019, 11:49 PM

ERRATiC

@0xA3A97B6C

Jacked gist.github.com/paigeadelethom... all avail s3 buckets, certs

Jun 17, 2019, 11:49 PM



3tb of s3 buckets



Are we there yet

Jun 17, 2019, 11:52 PM

ERRATiC

@0xA3A97B6C



Are we there yet

Jun 17, 2019, 11:52 PM



And im swatting other wizards botnets on mother fucking efnet

Jun 17, 2019, 11:56 PM



Come on i deserve to get exposed, dont let this neoliberal cuck world destroy me without at least having the truth

Jun 17, 2019, 11:57 PM

ERRATiC

@0xA3A97B6C



Come on i deserve to get exposed, dont let this neoliberal cuck world destroy me without at least having the truth

Jun 17, 2019, 11:57 PM



They're gonna destroy me regardless that much is clear

Jun 18, 2019, 12:00 AM



At least give me a dignified end the likes of which will inspire self doubt

Jun 18, 2019, 12:02 AM



Ive basically strapped myself with a bomb vest, fucking dropping capitol ones dox and admitting it

Jun 18, 2019, 12:04 AM



There ssns...with full name and dob

Jun 18, 2019, 12:06 AM

I am ready for this to end im gonna keep doing this until i die

ERRATiC

@0xA3A97B6C



I am ready for this to end, im gonna keep doing this until i die
im sick of this b.s dude im gonna give it all to this desperate
chinese dude who scams people for research chems on
reddit and drug forums..



I dont care anymore

Jun 18, 2019, 12:11 AM

Okay, I gotta ask. This Claire?

Jun 19, 2019, 2:59 PM ✓



who?

Jun 19, 2019, 5:12 PM

Someone named Claire that would speak in a similar fashion

What made you wanna drop dox on yourself to someone you don't
know?

Jun 19, 2019, 6:29 PM ✓

Im ready to check the fuck out

ERRATiC

@0xA3A97B6C

Im ready to check the fuck out



I dont care if its jail or death

Jun 20, 2019, 9:57 AM

Prefer to die , and something to make it easy



Or you know jail

Jun 20, 2019, 9:59 AM



I can settle for that

Jun 20, 2019, 10:03 AM

So someone i dont know, i have nothing to lose

I mean im taking my time to pick off a few that deserve to go
down but its going to come back to me sooner or later and
thats part of the plan



Not you, im just saying because you asked

Jun 20, 2019, 10:07 AM

ERRATiC

@0xA3A97B6C

I spend most of my time baiting skids, using their names, collecting and using their dox and hacking shit my life was over 3 years ago

Almost 4

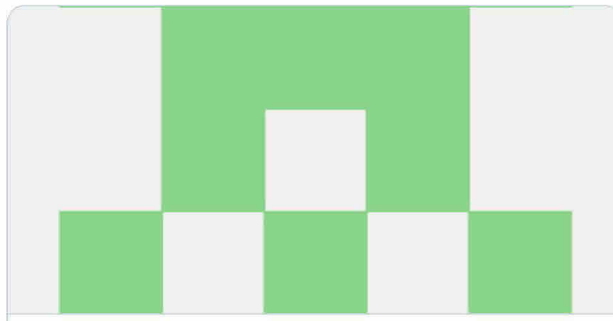
Gonna be 5

Im ok with that, it was my choice



I just need to be free

Jun 20, 2019, 10:10 AM

**ERRATiC**

@0xA3A97B6C



create s3 log bucket
gist.github.com



Go ahead and ddos my r5.large
gist.github.com/paigeadelethom... while im asleep, i don't have to do anything the work is already done for me

Jun 20, 2019, 10:21 AM



Lam3r

Jun 21, 2019, 10:57 AM

Or not a snitch. Go snitch on yourself, fbi dot gov big homie

Jun 21, 2019, 10:59 AM ✓

You can no longer send messages to this person. [Learn more](#)